

Succinic acid, diisopropylphosphono-, dimethyl ester

Inchi:	InChI=1S/C12H23O7P/c1-8(2)18-20(15,19-9(3)4)10(12(14)17-6)7-11(13)16-5/h8-10H,7H
InchiKey:	UXQNPXAWLLGRMI-UHFFFAOYSA-N
Formula:	C12H23O7P
SMILES:	COC(=O)CC(C(=O)OC)P(=O)(OC(C)C)OC(C)C
Mol. weight [g/mol]:	310.28
CAS:	87892-88-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.35		Crippen Method
logp	2.134		Crippen Method
mcvol	232.890	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C87892884&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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